



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Original Patent

Patentee: William Carl Slemmer

Patent No.: 5,781,043

Title: DIRECT CURRENT SUM BANDGAP
VOLTAGE COMPARATOR

Issued: July 14, 1998

Atty Dk No.: 93-C-007C2

Reissue Application

Applicant: William Carl Slemmer

Serial No.: 09/616,821

Title: DIRECT CURRENT SUM
BANDGAP VOLTAGE
COMPARATOR

Filing Date: July 14, 2000

Atty Dk No.: 93-C-007RE (1678-28)

FIRST REISSUE APPLICATION DECLARATION BY THE INVENTOR

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of the subject matter that is claimed in patent number 5,781,043, granted July 14, 1998, and for which a reissue patent is sought on the invention entitled:

DIRECT CURRENT SUM BANDGAP VOLTAGE COMPARATOR

the specification of which

- ☐ is attached hereto.
- ☒ was filed on July 14, 2000 as reissue application number 09/616,821 and was amended on _____ (if applicable). If the filing date, amendment date, or reissue application number are not included when I execute this Declaration, I authorize the below appointed attorney(s) and/or agents(s) to insert the filing date, amendment date, or reissue application number when they become available.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all that apply.)

- ☐ by reason of a defective specification or drawing.
- ☒ by reason of the patentee claiming less than he had the right to claim in the patent.
- ☐ by reason of other errors.

Errors upon which reissue is based are described as follows:

I believe that the limitation "K₁, K₂, and K₃, are constants determined by . . . a transistor length in the first, second, and third current sources, respectively" renders independent claims 1, 3, 13, and 14 overly narrow. Specifically, these constants may be determined by a size of the transistor other than the transistor, *i.e.*, channel, length. For example, one or more of K₁, K₂, and K₃ may be determined by the transistor, *i.e.*, channel, width. Therefore, I have added new independent claims 24 – 27, which omit the "transistor length" limitation.

Because one can describe my invention in terms of a method, I believe that the lack of method claims unduly limits the scope of protection that the '043 patent provides to my invention. Therefore, I have added new method claims 28 – 55.

All errors corrected in this reissue application arose without any deceptive intention on my part.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: LISA K. JORGENSEN, Reg. No. 34,845; THEODORE E. GALANTHAY, Reg. No. 24,122; ROBERT D. MCCUTCHEON, Reg. No. 38,717; MARIO DONATO, Reg. No. 37,816; and all attorneys associated with Customer Number 000996.

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I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof.

I do not know and do not believe that the claimed invention was ever patented or described in any printed publication in any country before my invention thereof.

I do not know and do not believe that the claimed invention was ever patented or made the subject of an inventor's certificate issued prior to the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns.

I do not know and do not believe that the claimed invention was ever patented or described in any printed publication in any country more than one year prior to the filing date of the original U.S. application.

I do not know and do not believe that the claimed invention was ever in public use or on sale in the United States of America more than one year prior to the filing date of the original U.S. application.

I hereby claim the benefit of priority, under 35 U.S.C. § 119 and 35 U.S.C. § 120, of any foreign application(s) for patent or inventor's certificate on which priority was claimed in the above-identified issued patent.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, or any patent to which this declaration is directed.

William Carl Slemmer
Full Name of Inventor

USA
Citizenship

Residence

Post Office Address (if different from Residence)

Inventor's Signature

Date